

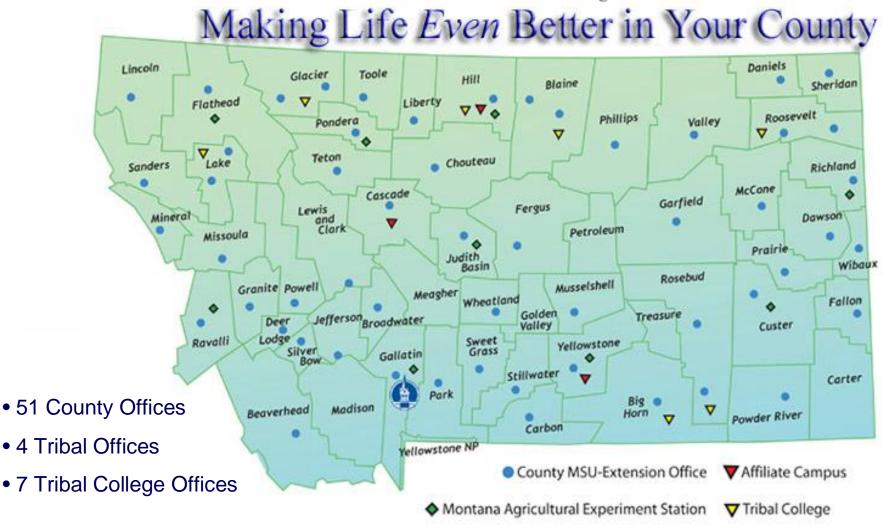
Bozeman, Montana – October 18, 2005

Michael Vogel, Ed.D., Professor

Montana State University – Extension Service

Housing and Environmental Health Program

Montana State University Extension



Facilitating Consumer Response – Choices

Helping Consumers (end-users) Cope with Escalating Energy Costs ...

- knowing their needs
- understanding what motivates them
- creating outreach efforts



4 SULTVEYS — since September 26, 2005

- Mail survey of 700 limited-income households*
 35% response (243 households)
- 2. On-line survey** 94 responses
- 3. Consumer "on-the-street" survey ** 50 individuals
- Extension field survey "what is the pulse of Montana communities"

*conducted in MT by MSU Extension

** conducted in MT by MSU Extension & DPHHS with recipients of the Montana Low-Income Energy Assistance Programs – 150% FPL

How much does the higher cost of energy impact you?*

98% some - very much 46% very much

100% some - a lot

*Spending less on food, meds & medical services, household items, clothes.



= limited-income

= on-line survey

Does rising gasoline prices impact your ability to go to work or perform necessary errands?

75% YES

41% YES



= limited-income

= on-line survey



Will you have to get another job to pay for higher cost of energy?

26% YES

5% already have another job

= limited-income



What steps are you taking to reduce your energy costs?

66% / 80% - turning down thermostat

64% / 87% - driving less

56% / 78% - spending less

20% / 51% - home energy conservation

13% / 20% - not sure what to do

= limited-income

= on-line survey

What short-term solutions would be most useful for you?

64% / 20% - help in paying for home energy

48% / 63% - utility company discounts

34% / 67% - help in making my home more energy efficient

15% / 57% - tips about saving energy and money

7% / 20% - other



= limited-income

= on-line survey



What long-term solutions would be most useful for you?

76% / 65% - reduce the cost of energy 32% / 71% - alternative energy (wind and solar)

= limited-income = on-line survey

Bottom line ... Energy Impacts Real People. Use tractor less, no electric water tank units, question heat for chicken house, we can't pay our monthly bill in the summer ... don't know how we will cope this winter, the utility has us by the _____, a 3rd job in the household is in the future, we're not like the government, we can't deficit spend, we have no choice – the power bill has to be paid or we freeze or get shut off, shut down the hot-tub this winter, can't afford to go hunting this season, will have to juggle bills, we won't be as warm this winter, have to sacrifice food, clothes ... for the higher energy bills, as a single parent my budget is already tight, grandchildren's gifts will have to be very limited, lower my retirement savings – work longer, lower profit on cattle and farming, be broke and cold, bike to work, walk more, we conserve but it doesn't seem to help, no longer able to deliver church flowers free, GOOD QUESTION!

Bottom line ...

consumers are generally discouraged ...
most believe they have done all they can do ...
"we can't wait for the big fix to pay the bills",
"something has to change"

To help consumers cope, we need to understand what factors motivate them to make positive energy choices.

What Motivates Consumers to Adopt Positive Energy Behaviors

Top 10 Responses 🕺



"green, sustainable, high performance practices and materials"







"Cost-Effective and Reliable Energy
Sources and Conservation
Practices"







"Real Time Economics"

(rather than "it's not that expensive when adjusted for inflation" – "it bites now!")







"Access to affordable energy-efficient materials and knowledgeable labor"





"strategies that are Practical and Convenient"

easy to understand self-help easy installation easy to use







"result in Comfort"





"Access to current, accurate, relevant and non-commercial information"

What Motivates Consumers to Make Change? Top 10 Responses





"Healthy Environments"

healthy and safe homes and global environment"







"Quick Return"







"Affordable"



Recommendations "from the field"

- •"We can't conserve our way out of energy problem"
- •Greater awareness of available tax credits and awareness of energy assistance programs
- •Assist consumer's with weatherization of older homes
 - include mobile homes
 - reality information what works, what pays
 - information defining priorities
 - real time energy use
 - self-help programs
- •Special assistance to "gap" consumers
 - older consumers single parent families
- •Education to youth
- Need New Ideas with Consumers in Mind

Where do you find the most reliable information about energy?

56% / 49% - Newspaper

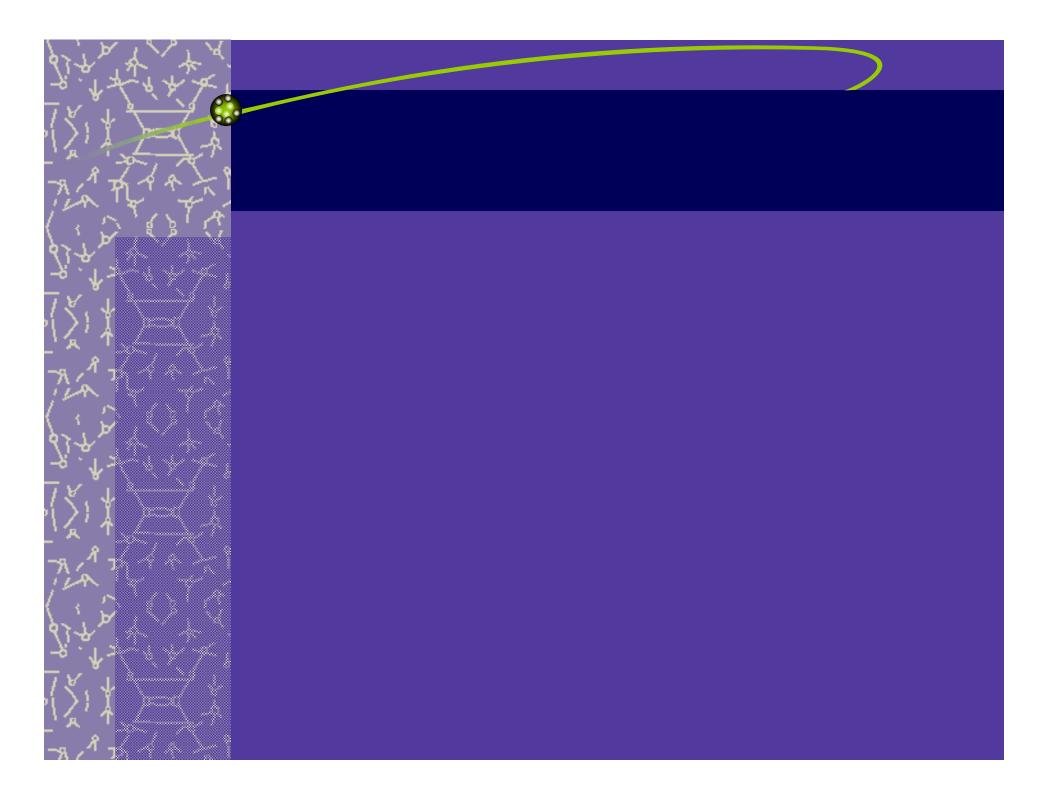
23% / 20% - Utility Company

8% / 16% - State or Federal Government



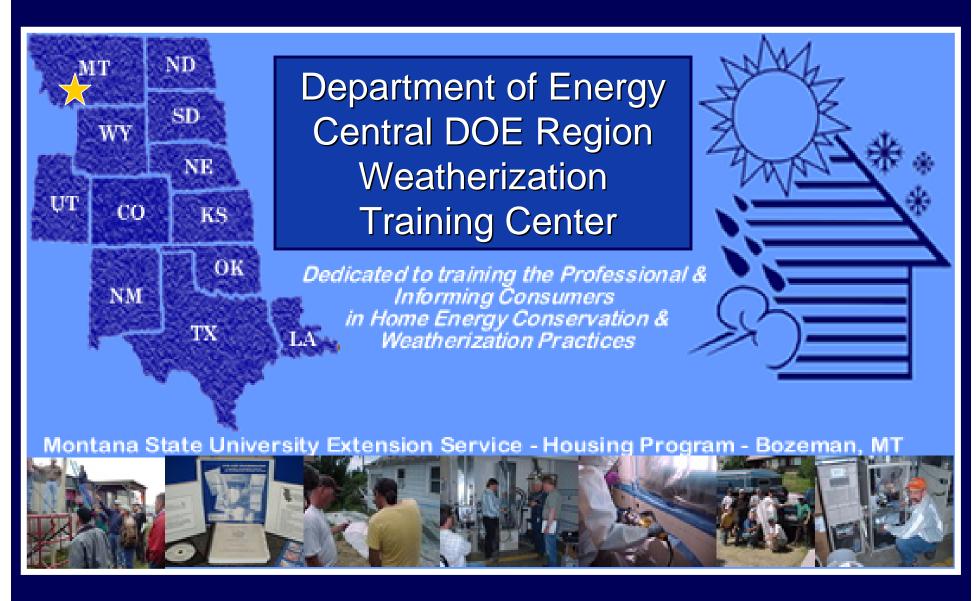
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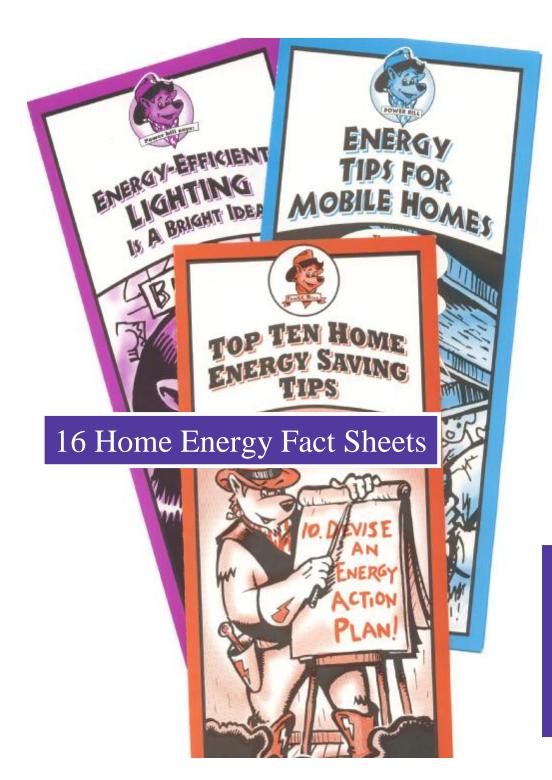


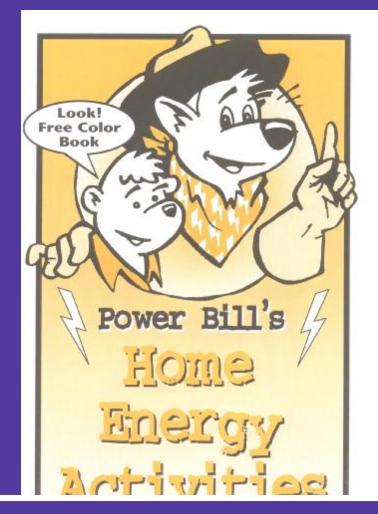
Extension Consumer Outreach Programs that Work





Partnership with the Montana Department Public Health and Human Service Weatherization Assistance Program for Low-Income Families



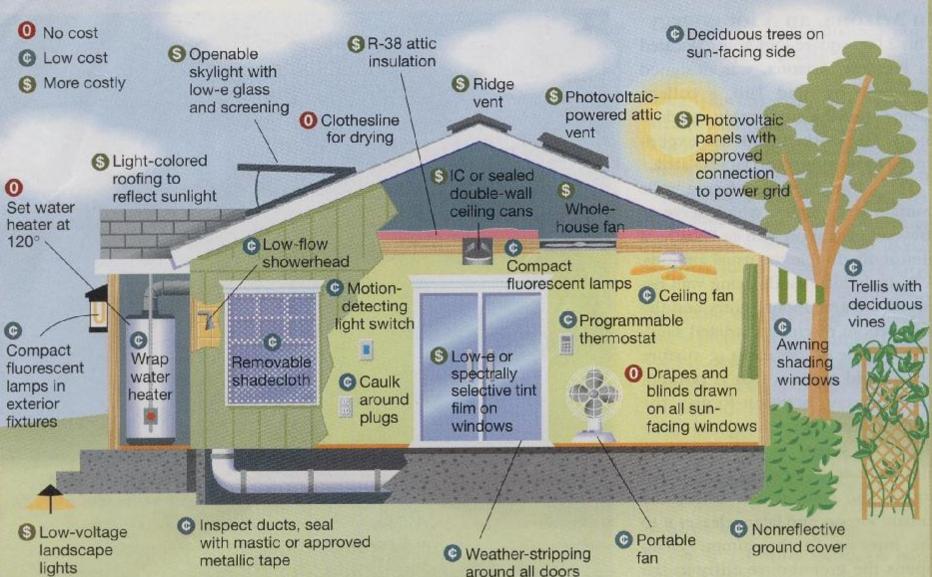


Available ...

Public Libraries County/Tribal Extension Offices HRDCs

> www.weatherization.org www.montanahelp.org

home energy Solutions





ENERGY STAR®



Appliances

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Home Electronics

Home Office Equipment



Windows

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Homes

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<u>www.homes_across_america.org</u> A Construction Technology Showcase













Montana Seniors Energy Project

Warmer Homes come from volunteer help.



WEATHERIZE-A-THON—Cascade County Aging Svc Assoc, Director & volunteer Margaret O'Reilly & Cascade County Ext Homemaker Council member & volunteer Char Goules insulate water heater in senior citizens home.

Volunteers of all ages last week visited selected homes in Cascade County to make suggestions for weatherization improvements, according to Montana State University Extension Service agent, Claire Del Guerra.

Del Guerra, who serves Cascade County, said teams of three volunteers visited 154 homes of senior citizens to give tips on installing water-heater jackets, insulation gaskets for electrical outlets, and draft dodgers for doors.

Del Guerra said about 50 volunteers — consisting of senior citizens, Extension Homsenakers, wouth, aging-services personnel and utility personnel — attended a weatherization workshop and then visited a total of 154 senior citizens in Great Falls and surrounding areas.

The Senior Care program at Montana Deaconess Medical Center provided water-heater wraps, Del Guerra said, while the Montana Department of Natural Resources and Conservation contributed insulation gaskets. The Cascade County Extension Homemakers constructed draft dodgers, the county agent said.

This is the second year that the MSU Extension Service has offered the weatherization reach-out.

Del Guerra said the number of people helped increased to 154 county-wide this year, up from 15 in Great Falls in 1987, Project Outreach is a pilot program, that, if successful in Cascade County, may become an Extension Service statewide program,

Source: Great Falls Tribune, Thursday, January 14, 1988



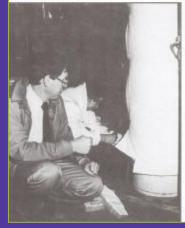
WEATHERIZE-A-THON—Marthu Bandel -- Senior citizen, receiving orientation from Claire Del Guerra regarding weatherization practices.



Piere's the team who helped Christine Shitle do some energy-related improvements on her have has seek. Verrice Larsen is on the left, along with Alyce Tracy, Shitle, Lee Olson, Barbara Polifimon and Dr. Mike Vogel of MSU in Boseman. The team attended an energy seminar presented by Vogel the marring of February 23 and energized homes of seven senior citteens here that afternoon. In addition, the seniors seere given direct to keep out the cold. They were made by Shella Martin, a member of the Far and Wide Homemaker's Club, Photo by Cynthia Martin.

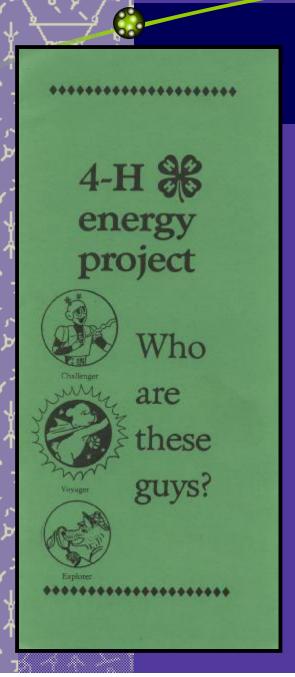
Bernice Larsen, Left, and Lee Ofson, installed outlet gaskets at the Christine Whitzle home as part of the Project Outneach, Senior Citizens Energy Project, of Valley County Extension Homesmakers. The uconsin are members of the Baylor Homemakers Club. Photo by Cynthiu Markle.





\$15 to \$20 a year is an estimate on what a homeowner to Glosgius can sow by putting insulation around a water heater. Dr. Mike Vogel, housing and energy specialist with MSU Extension in Baseunan explains the benefits of the insulation as Alyce Tracy helps Install a coper at the Christine White home.

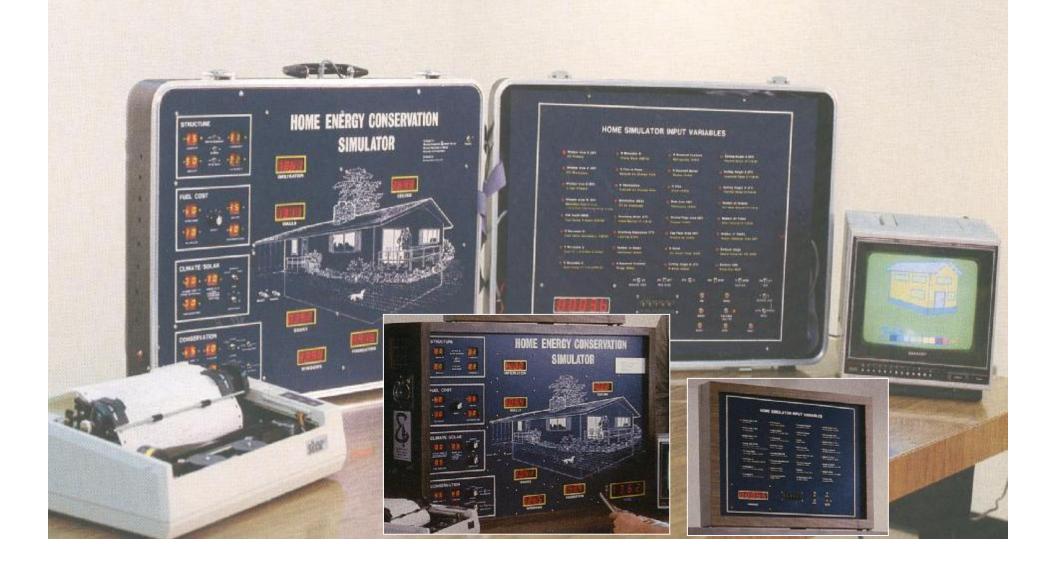
Source: Glascow Courier, March 3, 1988



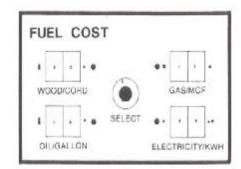
Youth Outreach

- 3-levels ages 9-19
- 75 activities dealing with ...
 - home energy
 - community and school
 - renewable energy
 - agriculture
- 4-H club and school enrichment

HOME ENERGY CONSERVATION An Educational Program

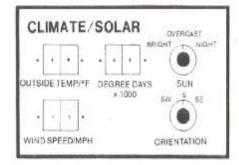


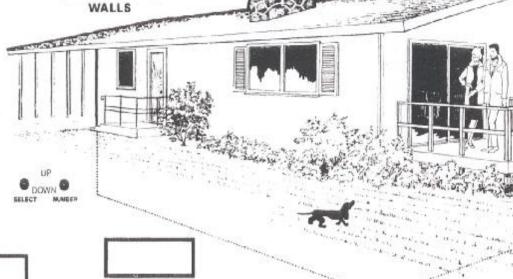
HOME ENERGY CONSERVATION SIMULATOR DO TO STATE OF THE SECONS SERVATION



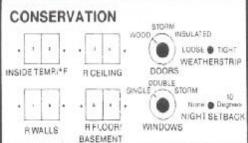


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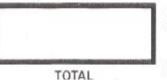




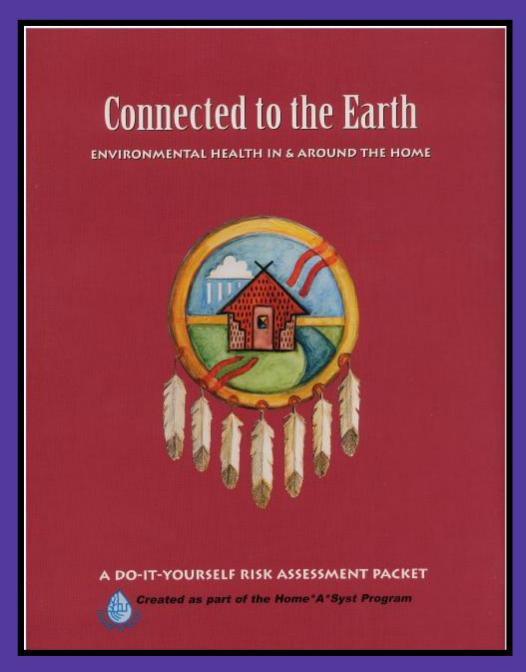
DOORS







Day Year



Native American Home*A*Syst

11 individual fact sheet assessments, including home energy conservation.

More Details

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